

XP-002169509

AN - 1997-384110 [35]

AP - SU19915000004 19910726

CPY - SOKO-I

DC - A23 A85 L03 V04

DR - 1893-U

FS - CPI;EPI

IC - H05K1/03 ; H05K3/00

IN - SOKOLINSKAYA M A; TSYBULYA YU L; ZABAVA L K

**MC - A08-R A11-B09A1 A12-E07A A12-S08C A12-S08D2 A12-S08F L03-H04E5
- V04-R07A V04-R07L V04-R07P**

PA - (SOKO-I) SOKOLINSKAYA M A

PN - RU2072121 C1 19970120 DW199735 H05K3/00 005pp

PR - SU19915000004 19910726

XA - C1997-123065

XIC - H05K-001/03 ; H05K-003/00

XP - N1997-319806

AB - RU2072121 A substrate for a printed circuit board, has a multi-layer structure of chips of basalt fabric impregnated with a polymer binder. The binder additionally contains boron nitride in the amount 2-10% by mass of the binder. The boron nitride is in the form of particles of 0.5-20 μ m and. The boron nitride is added to the binder and is mixed for at least 5 minutes, to ensure it is uniformly distributed through the mass of the binder. The obtained mixture is then used to impregnate basalt fabric, which is then dried at 80 deg. C for at least 60 minutes. The fabric is then cut into intermediate articles, which are assembled into a packet, to obtain insulating material with a thickness of 1.5 mm. This is then subjected to thermo-compression at 160 deg. C and 350 MPa for 60 minutes.

- USE - Manufacture of substrates for printed circuit boards.

- ADVANTAGE - Improved heat resistance and better thermo-physical and dielectric properties

- (Dwg.0/0)

**IW - MANUFACTURE SUBSTRATE PRINT CIRCUIT BOARD ADD BORON NITRIDE POWDER
POLYMER BIND IMPREGNATE BASALT FABRIC BIND**

**IKW - MANUFACTURE SUBSTRATE PRINT CIRCUIT BOARD ADD BORON NITRIDE POWDER
POLYMER BIND IMPREGNATE BASALT FABRIC BIND**

INW - SOKOLINSKAYA M A; TSYBULYA YU L; ZABAVA L K

NC - 001

OPD - 1991-07-26

ORD - 1997-01-20

PAW - (SOKO-I) SOKOLINSKAYA M A

TI - Manufacture of substrate for printed circuit board - includes addition of boron nitride powder to polymer binder and impregnation of basalt fabric by binder

A01 - [001] 018 ; P0000 ;

**- [002] 018 ; ND01 ; K9892 ; K9449 ; K9518 K9483 ; K9676-R ; Q9999
Q6791 ; Q9999 Q7454 Q7330 ; N9999 N7192 N7023 ; Q9999 Q7818-R ;
N9999 N6780-R N6655 ; N9999 N6600 ; B9999 B5243-R B4740 ; B9999
B3270 B3190 ; B9999 B4682 B4568 ; B9999 B3178 ; B9999 B3203-R B3190
;**

- [003] 018 ; D00 F80 Si 4A O- 6A ; A999 A419 ; S9999 S1161-R S1070 ;

- [004] 018 ; R01893 D00 B- 3A N- 5A ; A999 A237 ; S9999 S1456-R ;
B9999 B5209 B5185 B4740 ;